We'll be performing routine system maintenance **on Thursday, 09 May 2024, at 20:00 UTC+07:00, for approximately 6 hours**. During this time, you will not be able to access your account.

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Started on Wednesday, 8 May 2024, 1:16 PM

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Completed on Wednesday, 8 May 2024, 2:40 PM

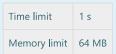
Time taken 1 hour 24 mins

Grade 344.00 out of 350.00 (98%)

Question 1

Correct

Mark 100.00 out of 100.00



Lengkapi header <u>Stack.java</u> berikut. Silahkan kumpulkan **Stack.java** yang telah kalian lengkapi!

Java 8 ♦

Stack.java

Score: 100

Blackbox

Score: 100

Verdict: Accepted

Evaluator: Exact

No	Score	Verdict	Description
1	15	Accepted	0.08 sec, 28.40 MB
2	15	Accepted	0.09 sec, 28.96 MB
3	15	Accepted	0.08 sec, 27.84 MB
4	15	Accepted	0.08 sec, 29.99 MB
5	20	Accepted	0.10 sec, 28.32 MB
6	20	Accepted	0.08 sec, 28.25 MB

Question **2**Correct

Mark 100.00 out of 100.00

Time limit 1 s

Memory limit 64 MB

Silahkan lengkapi <u>Deque.java</u> berikut. Setelah itu, manfaatkan Deque yang telah kalian buat untuk mengimplementasikan isPalindrome pada <u>Palindrome.java</u>. Silahkan kumpulkan Deque.java dan Palindrome.java dalam sebuah zip bernama **Deque.zip**

Java 8 ♦

Deque.zip

Score: 100

Blackbox Score: 100

Verdict: Accepted Evaluator: Exact

No	Score	Verdict	Description
1	8	Accepted	0.11 sec, 28.35 MB
2	8	Accepted	0.28 sec, 28.85 MB
3	8	Accepted	0.31 sec, 28.70 MB
4	8	Accepted	0.17 sec, 28.72 MB
5	8	Accepted	0.21 sec, 27.98 MB
6	8	Accepted	0.16 sec, 29.95 MB
7	8	Accepted	0.21 sec, 28.55 MB
8	8	Accepted	0.14 sec, 28.36 MB
9	8	Accepted	0.13 sec, 30.19 MB
10	8	Accepted	0.15 sec, 29.15 MB
11	10	Accepted	0.18 sec, 28.39 MB
12	10	Accepted	0.11 sec, 28.59 MB

Question **3**Correct

Mark 100.00 out of 100.00

Time limit 1 s

Memory limit 64 MB

Kita akan belajar untuk mereplikasi Monadic Error Handling dari functional programming. Dengan monadic error handling, kita dapat merepresentasikan suatu value yang mungkin merupakan error. Dengan menggunakan pattern ini, kita dapat mengelola suatu value yang mungkin error tanpa melalui try-catch dan membuat programmer lebih aware jika value yang dikelola dapat menghasilkan error

Diberikan suatu interface <u>IResult.java</u> sebagai berikut beserta penjelasan dalam bentuk comment. Implementasikan interface tersebut dalam suatu class di dalam file <u>Result.java</u>

Java 8 ♦

Result.java

Score: 100

Blackbox Score: 100

Verdict: Accepted Evaluator: Exact

No	Score	Verdict	Description
1	20	Accepted	0.13 sec, 28.52 MB
2	20	Accepted	0.09 sec, 26.14 MB
3	20	Accepted	0.10 sec, 29.76 MB
4	20	Accepted	0.10 sec, 28.18 MB
5	20	Accepted	0.11 sec, 28.38 MB

Time limit	1 s
Memory limit	64 MB

Kita akan belajar functional programming melalui materi Generics dan Java API untuk memanipulasi List Java

Diberikan suatu interface `IStreamer.java` sebagai berikut beserta penjelasan dalam bentuk comment. Tolong implementasikan interface tersebut dalam suatu class di dalam file `Streamer.java`

Note:

- `Function<T,V>` merupakan suatu interface yg disediakan `java.util.function.Function` untuk merepresentasikan lambda function di Java
- Contoh pemakaian

```java

Function < Integer, Double > f = (Integer x) -> x * 2.0; Double result = f.apply(2); // value: 4.0

Java 8 ♦

Streamer.java

Score: 44

Blackbox

Score: 44

Verdict: Wrong answer

Evaluator: Exact

No	Score	Verdict	Description
1	2	Accepted	0.08 sec, 28.04 MB
2	2	Accepted	0.17 sec, 35.73 MB
3	2	Accepted	0.18 sec, 34.09 MB
4	2	Accepted	0.17 sec, 35.24 MB
5	2	Accepted	0.18 sec, 34.20 MB
6	2	Accepted	0.17 sec, 34.00 MB
7	2	Accepted	0.19 sec, 35.40 MB
8	3	Accepted	0.18 sec, 34.53 MB
9	3	Accepted	0.07 sec, 26.23 MB
10	3	Accepted	0.08 sec, 28.98 MB
11	3	Accepted	0.08 sec, 28.79 MB
12	0	Wrong answer	0.09 sec, 28.51 MB
13	3	Accepted	0.09 sec, 28.68 MB

No	Score	Verdict	Description
14	3	Accepted	0.07 sec, 29.02 MB
15	3	Accepted	0.07 sec, 30.39 MB
16	3	Accepted	0.07 sec, 28.54 MB
17	3	Accepted	0.18 sec, 33.54 MB
18	3	Accepted	0.18 sec, 33.98 MB
19	0	Wrong answer	0.07 sec, 29.79 MB

◄ Praktikum 5

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